

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27	(US-20020140880-\$ or US-20080225509-\$ or US-20040233665-\$ or US-20020093820-\$ or US-20020071268-\$).did. or (US-5477422-\$ or US-5381309-\$ or US-6930737-\$ or US-7503672-\$ or US-6647199-\$ or US-5070431-\$ or US-7585083-\$ or US-5819454-\$ or US-7320531-\$ or US-7287891-\$ or US-6974229-\$ or US-7494245-\$ or US-5579134-\$ or US-4181925-\$ or US-4714983-\$ or US-6964489-\$ or US-6641284-\$ or US-6491417-\$ or US-4907044-\$ or US-4345308-\$ or US-4254453-\$).did. or (JP-2002072901-\$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; IBM_TDB	AND	ON	2011/06/09 08:47
L2	8	("20050174802"   "4714983"   "6964497").PN. OR ("7287891").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 08:53
L3	1307234	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting))	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 09:42
L4	286457	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) same (lens or refract\$4 or optic\$4 or optic\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 09:57
L5	286457	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) same (lens or refract\$4 or optic\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 09:58

L6	200952	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 09:58
L7	74026	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member)	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 09:59
L8	73518	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or (optic\$4 near2 member))	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 09:59
L9	65057	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) (housing or case or casing)	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:01
L10	10209	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing)	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:01
L11	3639	(LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:02
L12	103201	(illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or (LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member)) with (housing or case or casing) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:26

L13	552653	((illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or (LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member)) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:27
L14	107459	((illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member)) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:28
L15	14826	((illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:29
L16	6938	((illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) (lens or refract\$4 or optic\$4 near2 member) with (plate or panel or substrate or layer) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:40

L17	1868	(illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) (lens or refract\$4 or optic\$4 near2 member) near6 (protru\$4 or bore or through or extend\$4 or pierc\$4) near6 (plate or panel or substrate or layer) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:41
L18	60	(illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) (lens or refract\$4 or optic\$4 near2 member) near6 (protru\$4 or bore or through or extend\$4 or pierc\$4) near6 (plate or panel or substrate or layer) with (bottom) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:43
L19	1868	(illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) (lens or refract\$4 or optic\$4 near2 member) near6 (protru\$4 or bore or through or extend\$4 or pierc\$4) near6 (plate or panel or substrate or layer) @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:48

L20	74	((illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) (lens or refract\$4 or optic\$4 near2 member) near6 (protru\$4 or bore or through or extend\$4 or pierc\$4) near6 (plate or panel or substrate or layer)).clm. @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 10:48
L21	8	((illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) (lens or refract\$4 or optic\$4 near2 member) near6 (protru\$4 or bore or through or extend\$4 or pierc\$4) near6 (plate or panel or substrate or layer)).clm. @ad<"20030627"	US-PGPUB	AND	ON	2011/06/09 10:51
L22	159	((illuminat\$4 or lamp or light adj2 (source or diode or emit\$4 or emission) or LED or light adj2 (diode or emitting) or solid adj state or (semiconduct\$4 or semi-conduct\$4) adj2 (diode or emitting or emission or lighting)) with (lens or refract\$4 or optic\$4 near2 member) with (housing or case or casing) (lens or refract\$4 or optic\$4 near2 member) near6 (protru\$4 or bore or through or extend\$4 or pierc\$4)).clm. @ad<"20030627"	US-PGPUB	AND	ON	2011/06/09 10:52

L23	414	362/555.ccls. @ad<"20030627"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 11:00
L24	825	362/555,561,612,613.ccls. @ad<"20030627"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 11:00
L25	1148	362/555,561,612,613,235.ccls. @ad<"20030627"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 11:01
L26	1291	362/555,561,612,613,235,237.ccls. @ad<"20030627"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 11:01
L27	1412	362/555,561,612,613,235,237,244.ccls. @ad<"20030627"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 11:01
L28	0	(09/906175).APP.	USPAT; USOCR	AND	ON	2011/06/09 12:23

L29	284	( "1442463"   "20010002166"   "2953668"   "3131670"   "3241256"   "3273140"   "3750138" "3805049"   "3816739"   "3875456"   "3886544"   "3924227"   "3934245"   "4060703" "4096550"   "4118763"   "4124879"   "4177501"   "4186394"   "4234907"   "4234914" "4254453"   "4320268"   "4446511"   "4449024"   "4489227"   "4531121"   "4615607" "4670633"   "4683491"   "4714983"   "4727357"   "4734619"   "4742432"   "4806908" "4810937"   "4811175"   "4814667"   "4833542"   "4843527"   "4875144"   "4991064" "5029046"   "5034602"   "5045755"   "5097396"   "5115379"   "5184114"   "5249104" "5384459"   "5397867"   "5410345"   "5432684"   "5450301"   "5491313"   "5510782" "5512718"   "5537300"   "5542016"   "5576825"   "5607227"   "5632551"   "5684513" "5711588"   "5724062"   "5747756"   "5797482"   "5807002"   "5813753"   "5815225" "5820248"   "5871088"   "5884775"   "5890790"   "5897195"   "5899553"   "5975711" "5993019"   "6006118"   "6040822"   "6056427"   "6139166"   "6179432"   "6199996" "6200002"   "6264346"   "6284988"   "6322229"   "6361198"   "6404131"   "6448520" "6561663"   "6590508"   "6686549"   "D311913").PN. OR ("2002/0093832"   "5321417"   "5836676"   "6450664"   "6918677" "6964497"   "7168862").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 12:23
L30	144	29 @ad<"20030627"	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 12:28
L31	102	( "3805049"   "3816739"   "3875456"   "3924227" "4615607"   "4734619"   "4810937"   "5184114"   "5410345"   "5450301"   "5576825" "5724062").PN. OR ("5836676").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 12:54

L32	12	("3805049"   "3816739"   "3875456"   "3924227"   "4615607"   "4734619"   "4810937"   "5184114"   "5410345"   "5450301"   "5576825"   "5724062").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2011/06/09 12:54
L33	1	"10561992"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 13:19
L34	5737	362/555,561,612,613,235,237,244.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 13:26
L35	19	("20020140880"   "20020140880"   "4181925"   "4714983"   "4907044"   "5381309"   "5477422"   "5819454"   "5381309"   "5477422"   "6974229"   "7287891").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 13:35
L36	9	(US-20020093832-\$).did. or (US-7287891-\$ or US-6964497-\$ or US-5321417-\$ or US-7168862-\$ or US-6918677-\$ or US-6450664-\$ or US-5836676-\$ or US-4742432-\$).did.	US-PGPUB; USPAT	AND	ON	2011/06/09 13:35
L37	18	35 not 36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/06/09 13:35
L38	8	36 not 35	US-PGPUB; USPAT	AND	ON	2011/06/09 13:36

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